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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/056,121
(use as many sheets as necessary)				Filing Date	01/23/2002
				First Named Inventor	WELLINGHOFF, et al.
				Group Art Unit	1623
				Examiner Name	
Sheet	/	of	1	Attorney Docket Number	SWRI-2835-04

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>MC</i>		GEROLD SCHMITT, et al., New liquid crystalline di- and tetra-acrylates for network formation. Liquid Crystals, 2001, Vol. 28, No. 11, 1611-1621	

Examiner Signature		Date Considered	07/05
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/058,121
				Filing Date	01/23/2002
				First Named Inventor	Wellinghoff et al.
				Art Unit	1623
				Examiner Name	Killos, P
				Attorney Docket Number	SWRI-2835-04
Sheet	1	of	1		

Examiner Signature	Kirk	Date Considered	02/04
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Sheet 1 of 1

Complete If Known

Application Number	10/056,121
Filing Date	01/23/2002
First Named Inventor	Wellinghoff & Hanson
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	SWRI-2835-04

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 09/314,350	05-10-1999	Eurman et al.	
		US- 09/087,370	09-22-2000	Wellinghoff et al.	
		US- 09/687,447	10-13-2000	Wellinghoff	
		US- 09/690,527	10-17-2000	Wellinghoff et al.	
		US- 09/691,680	10-18-2000	Wellinghoff	
		US- 09/692,690	10-19-2000	Wellinghoff	
		US- 09/726,769	11-29-2000	Eurman et al.	
		US- 10/057,386	01-23-2002	Wellinghoff et al.	
		US- 10/057,548	01-23-2002	Wellinghoff et al.	
		US- 10/190,470	04-05-2002	Wellinghoff et al.	
		US- 60/263,387	01-23-2001	Wellinghoff et al.	
		US- 60/263,348	01-23-2001	Wellinghoff et al.	
		US- 60/263,392	01-23-2001	Wellinghoff	
		US- 60/303,986	07-09-2001	Wellinghoff	
		US-			
					All applications

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature *K. Morris*

Date Considered

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² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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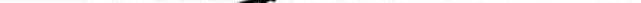
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet / of 1

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/056,121
(use as many sheets as necessary)		Filing Date	01/23/2002
		First Named Inventor	WELLINGHOFF, et al.
		Group Art Unit	1623
		Examiner Name	
Sheet	/	of	1
		Attorney Docket Number	
		SWRI-2835-04	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

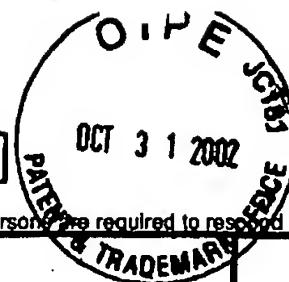
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

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Keller

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**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**
(Use several sheets if necessary)

 ATTY. DOCKET NO. **SWRI-2835(Z)-04**
 SERIAL NO. **10/056,121**
APPLICANT**Wellinghoff et al.**
 FILING DATE **01/23/2002** GROUP **1711**
U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JK</i>	AA	5,622,648	04/22/1997	Parri et al.	<i>Z</i>		
<i>JK</i>	AB	6,031,015	02/29/2000	Ritter, et al.	<i>Z</i>		
<i>JK</i>	AC	6,258,974	07/10/2001	Wellinghoff et al.	<i>Z</i>		
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK							
	AL							
	AM							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AN	
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ATTY. DOCKET NO.
SWRI-2385-ZSERIAL NO.
10/056,121APPLICANT
Wellinghoff et al.FILING DATE
01/23/2002GROUP
1623

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	RE. 32,073	01/28/1986	Randklev	—	—	
	AB	4,215,033	07/29/1980	Bowen	—	—	
	AC	4,539,048	09/03/1985	Cohen	—	—	
	AD	4,588,756	05/13/1986	Bowen	—	—	
	AE	4,623,738	11/18/1986	Sugerman et al.	—	—	
	AF	4,659,751	04/21/1987	Bowen	—	—	
	AG	4,663,147	05/05/1987	DePrince	—	—	
	AH	4,753,652	06/28/1988	Langer et al.	—	—	
	AI	4,964,911	10/23/1990	Ibsen et al.	—	—	
	AJ	4,978,640	12/18/1990	Kelly	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES	NO	
	AK	2,181,507	01/19/1997	Canada	—	—	
	AL	EP 0159887 A2	30.10.85	EPO	—	—	

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AN	"Nanostructured Materials: A Technical-Market Analysis", Mincy N. Ritter, Business Communication Co., Inc., Fine, Ultrafine and Nano Powders '98'
	AO	H. Schmidt et al., "Organically modified ceramics and their applications", Journal of Non-Crystalline Solids, 1990, 121, pp. 428-435
	AP	Mark W. Ellsworth et al., "Mutually Interpenetrating Inorganic-Organic Networks. New Routes into Nonshinking Sol-Gel Composite Materials", J. Am Chem. Soc., 1991, 113, 2756-2758

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		SWRI-2385-Z	10/056,121
		APPLICANT	Wellinghoff et al.
		FILING DATE	GROUP
01/23/2002		1623	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AK	BA	5,030,608	07/09/1991	Schubert et al.	—	—	
AK	BB	5,057,018	10/16/1991	Bowen	—	—	
AK	BC	5,064,877	11/12/1991	Nass et al.	—	—	
AK	BD	5,276,068	01/04/1994	Waknine	—	—	
AK	BE	5,308,886	05/03/1994	Masuhara et al.	—	—	
AK	BF	5,328,947	07/12/1994	Taguchi et al.	—	—	
AK	BG	5,334,625	08/02/1994	Ibsen et al.	—	—	
AK	BH	5,372,796	12/13/1994	Wellinghoff	—	—	
AK	BI	5,401,528	03/28/1995	Schmidt	—	—	
AK	BJ	5,472,797	12/05/1995	Yajima et al.	—	—	
AK	BK	5,486,548	01/23/1996	Podszun et al.	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES	NO	
AK	BL	EP 0754675 A2		EPO <i>no date</i>			
AK	BM	JP H 5-178794	12/26/91	Japan	—	—	Best
AK	BN	WO 92/16183	24.04.97	PCT	—	—	Yes

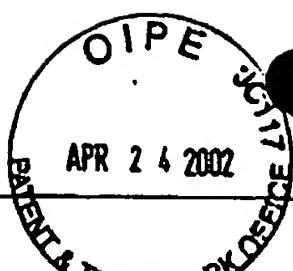
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

AK	BO	Stephen Wellinghoff et al., "Tantalum oxide-polymer composites", The International Symposium on Advances in So.-Gel Process and Applications, Edited by Y.A. Attia, Plenum Press, pp 141-154, 1994.
AK	BP	Christine Landry et al., "In situ polymerization fo tetraethoxysilane in poly(methyl methacrylate): morphology and dynamic mechanical properties", POLYMER, 1992, Vol. 33, No. 7, pp. 1486-1495
AK	BQ	Michael J.S. Dewar et al., "Factors Influencing the Stabilities of Nematic Liquid Crystals", Jornal of American Chemical Society, 97:23, 6658-6666

EXAMINER	Kilm	DATE CONSIDERED 07/03
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SWRI-2385-ZSERIAL NO.
10/056,121APPLICANT
Wellinghoff et al.FILING DATE
01/23/2002GROUP
1623

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JK	CA	5,502,087	03/26/1996	Tateosian et al.	/	/	
JK	CB	5,556,931	09/17/1996	Imura et al.	/	/	
JK	CC	5,663,214	09/02/1997	Okada	/	/	
JK	CD	5,670,583	09/23/1997	Wellinghoff	/	/	
JK	CE	5,695,681	12/09/1997	Siemensmeyer et al.	/	/	
JK	CF	5,720,805	02/24/1998	Wellinghoff et al.	/	/	
JK	CG	5,730,601	03/24/1998	Bowman et al.	/	/	
JK	CH	5,804,097	09/08/1998	Delavier et al.	/	/	
JK	CI	5,833,880	11/10/1998	Siemensmeyer et al.	/	/	
JK	CJ	5,834,532	11/10/1998	Yamamoto et al.	/	/	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JK	CK	WO 97/14674	24.04.97	PCT	/	/		
JK	CL	WO 98/23580	04.06.98	PCT	/	/		
JK	CM	WO 99/17716	15.04.99	PCT	/	/		

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

JK	CN	Wolfgang Wedler et al., "Vitrification in Low-molecular-weight mesogenic Compounds", J. Mater. Chem., 1991, 1(3), 347-356
JK	CO	Sukmin Lee et al., "Phase Behavior of Liquid Crystalline Polymer/Model Compound Mixtures: Theory and Equipment", Macromolecules, Vol. 27, No 14, 1994, 3955-3962
JK	CP	R.A.M. Hikmet et al., "Effect of the Orientation of the Ester Bonds on the Properties of Three Isomeric Liquid Crystal Diacrylates Before and After Polymerization", Macromolecules, Vol. 28, No. 9, 1995, 3313-3327

EXAMINER	DATE CONSIDERED
K. J. W.	07/03

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OF 5

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INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO.

SWRI-2385-Z

SERIAL NO.

10/056,121

APPLICANT

Wellinghoff et al.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WT	DA	5,852,248	12/22/1998	Chadwick	/	/	
WT	DB	5,859,089	01/12/1999	Qian	/	/	
WT	DC	5,865,623	02/02/1999	Suh	/	/	
WT	DD	5,886,064	03/23/1999	Rheinberger et al.	/	/	
WT	DE	5,897,885	04/27/1999	Petticrew	/	/	
WT	DF	5,910,273	06/08/1999	Thiel et al.	/	/	
WT	DG	5,991,991	06/15/1999	Keller et al.	/	/	
WT	DH	5,995,514	09/21/1999	Huang et al.	/	/	
WT	DI	5,998,499	12/07/1999	Klee et al.	/	/	
WT	DJ	6,220,404	02/08/2000	Ettlinger et al.	/	/	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
WT	DK	WO 98/13008	02/04/98	PCT	/	/	
WT	DL	WO 94/24052	27.10.94	PCT	/	/	
	DM						

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

WT	DN	Y. Wei et al., "Synthesis of New Organic-Inorganic Hybrid Glasses"; Chem. Mater. 2(4), 337 (1990)
WT	DO	Manabu Node et al. "Hard Acid and Soft Nucleophile System. 2. Demethylation of Methyl Ethers of Alcohol and Phenol with an Aluminum Halide-Thiol System", J. Org. Chem. 1980, 45, 4275-4277 (1980 American Chemical Society)
WT	DP	Glancarto Galli et al., "Thermotropic poly(ester -β-sulfide)s", Polymer Bulletin 21, 563-569 (1989)

EXAMINER	DATE CONSIDERED
K. W.	07/03

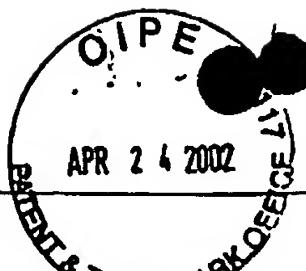
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SWRI-2385-Z	10/056,121
APPLICANT	
Wellinghoff et al.	

FILING DATE
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AK	EA	6,027,816	02/22/2000	Ono et al.	/	/	
	EB	6,031,015	02/29/2000	Ritter et al.	/	/	
	EC	6,087,816	07/11/2000	Volk	/	/	
AK	ED	6,335,462	01/01/2002	Etzbach et al.	/	/	
	EE						
	EF						
	EG						
	EH						
	EI						
	EJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	EK						
	EL						
	EM						

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

EN	"Titanium Tin Oxide Nanoparticles for Sunscreen Applications"	no date
EO		
EP		

EXAMINER	KLW	DATE CONSIDERED
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10/056,121
Filing Date	01/23/2002
First Named Inventor	WELLINGHOFF, et al.
Art Unit	1623
Examiner Name	Not Yet Assigned
Attorney Docket Number	SWRI-2835-04

U.S. PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/056,121
		Filing Date	01/23/2002
		First Named Inventor	Wellinghoff et al.
		Art Unit	1623
		Examiner Name	Killos, P
		Attorney Docket Number	SWRI-2835-04
Sheet	1	of	1

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